

```

package Calculator;

import java.util.Scanner;

public class CalculatorApp {

    public static void main(String[] args) {
        Scanner scanner = new Scanner(System.in);

        System.out.println("Simple Calculator");
        System.out.print("Enter first number: ");
        double num1 = scanner.nextDouble();

        System.out.print("Enter second number: ");
        double num2 = scanner.nextDouble();

        System.out.println("Choose operation:");
        System.out.println("1. Addition (+)");
        System.out.println("2. Subtraction (-)");
        System.out.println("3. Multiplication (*)");
        System.out.println("4. Division (/)");

        System.out.print("Enter operation number: ");
        int choice = scanner.nextInt();

        double result = 0;

        switch (choice) {
            case 1:
                result = num1 + num2;
                break;
            case 2:
                result = num1 - num2;
                break;
            case 3:
                result = num1 * num2;
                break;
            case 4:
                if (num2 != 0) {
                    result = num1 / num2;
                } else {
                    System.out.println("Error: Division by zero");
                    return; // exit the program
                }
                break;
            default:
                System.out.println("Invalid choice");
                return; // exit the program
        }

        System.out.println("Result: " + result);

        // Close the scanner to prevent resource leak
        scanner.close();
    }
}

```